

ABSTRACT

An image sensor acquires a preparatory image that is lighted for a
5 predetermined preparatory duration by a strobe. The preparatory image data
corresponding to the preparatory image from the image sensor is processed and an
average preparatory image luminance is determined based on the preparatory image
data and weighting at least a subset of the preparatory image data. A supplemental
strobe duration is generated based on the average preparatory image luminance and
10 luminance weightings. The electronic image sensor may be activated to acquire an
image with supplemental light provided by the supplemental strobe duration.